

1/9

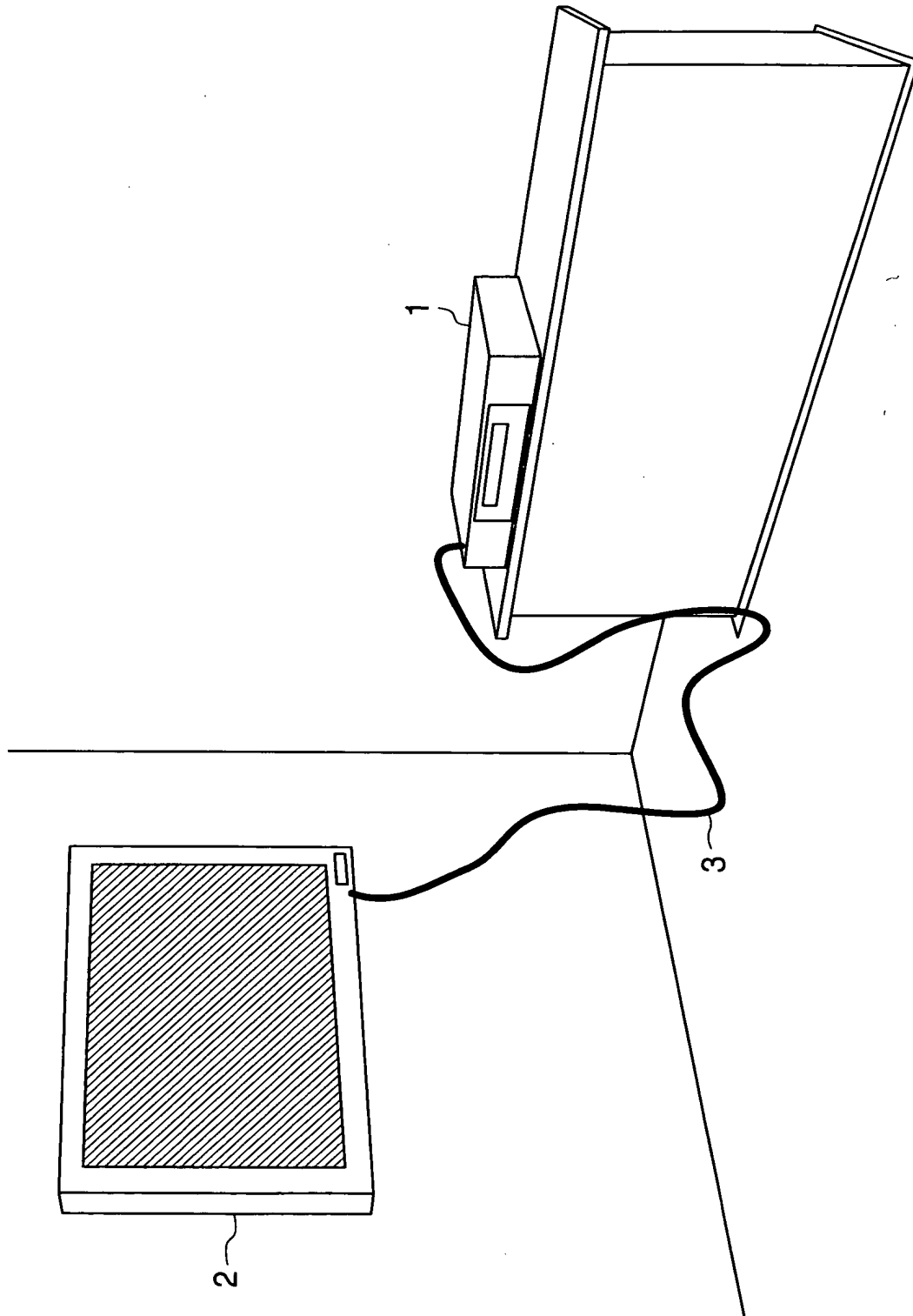


FIG. 1 (RELATED ART)

2/9

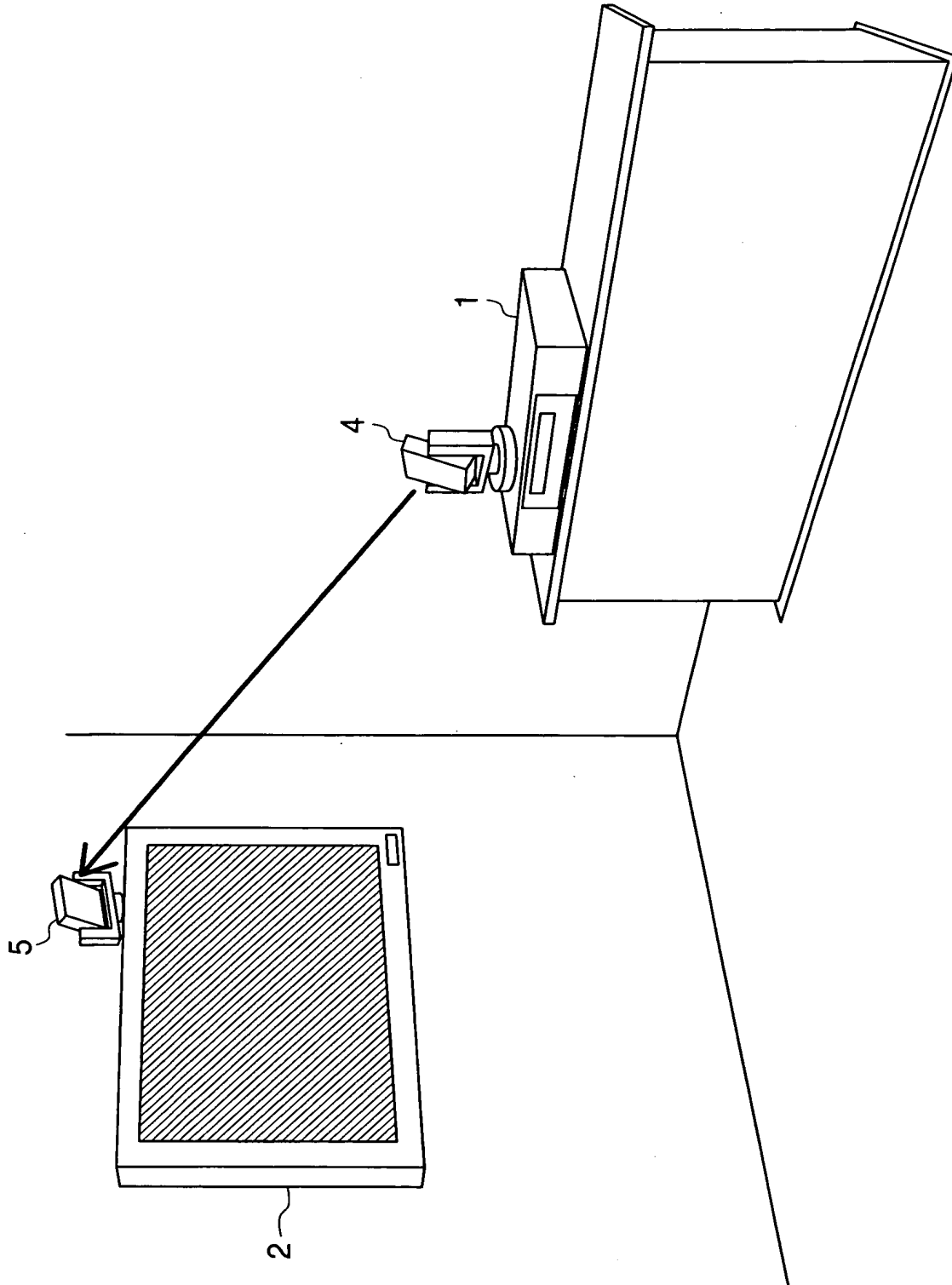


FIG. 2 (RELATED ART)

3/9

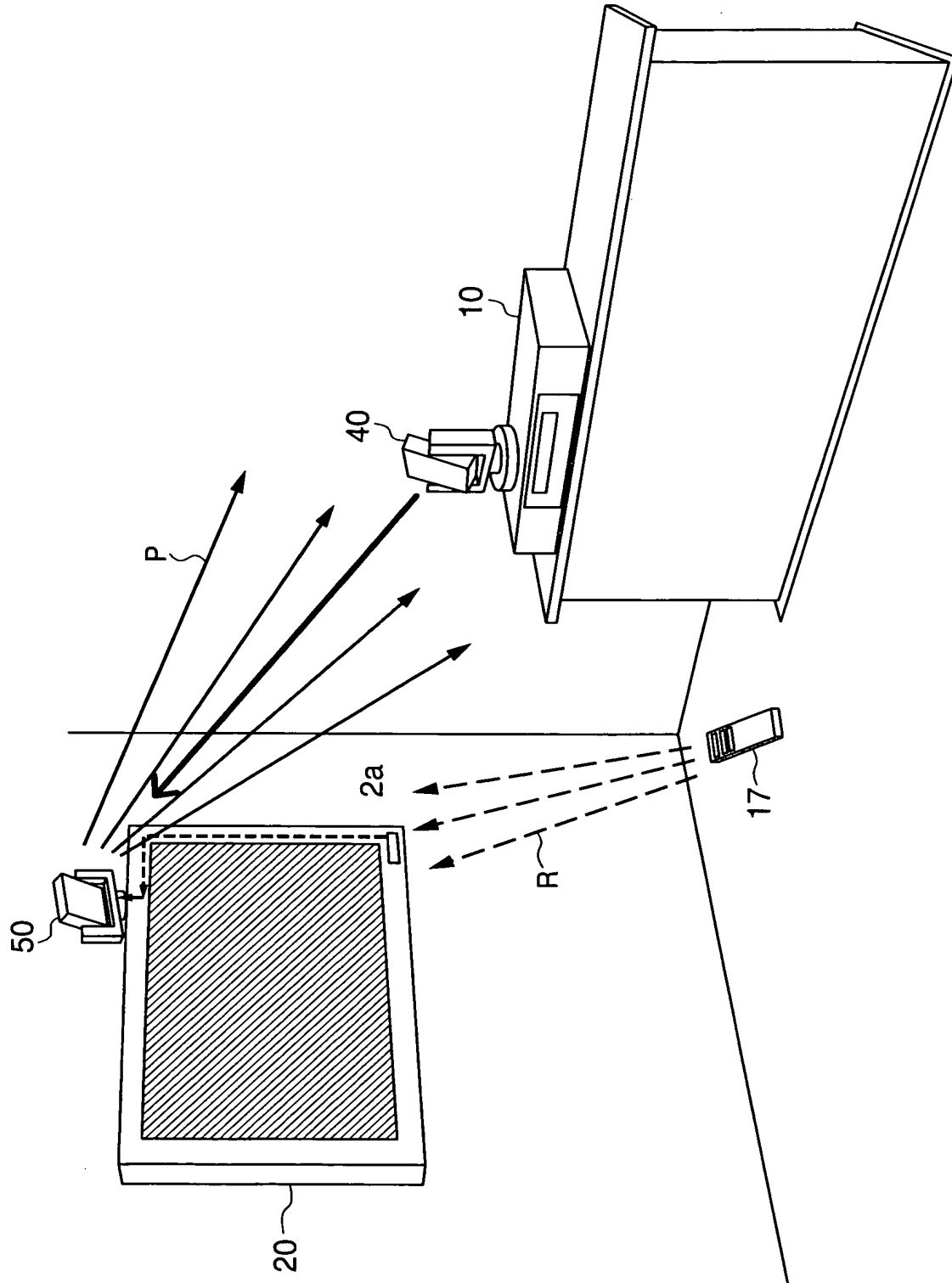


FIG. 3

4/9

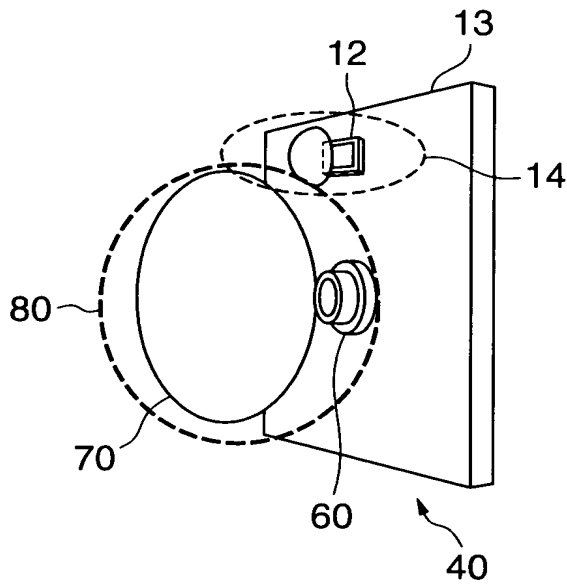


FIG. 4A

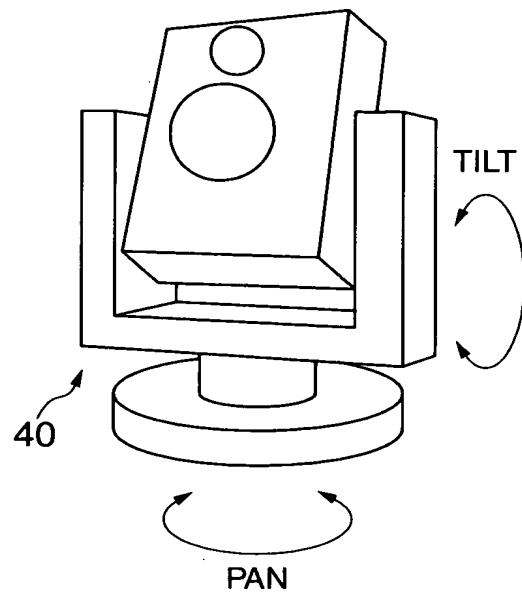


FIG. 4B

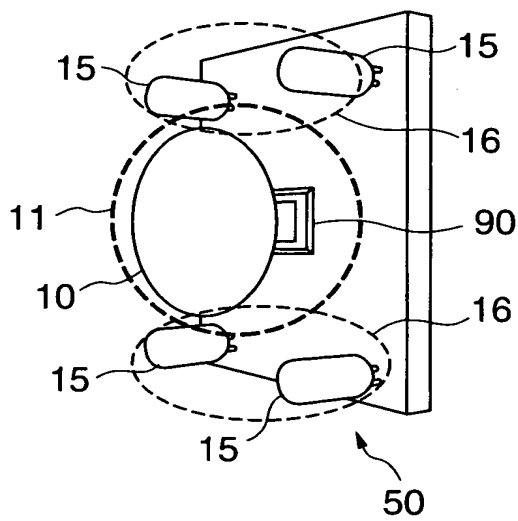


FIG. 5A

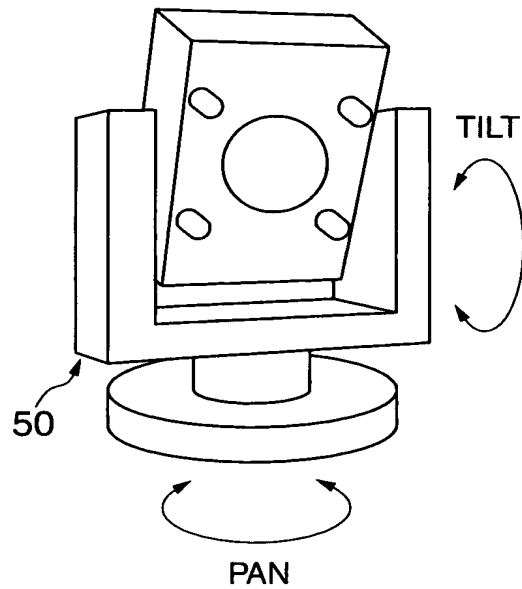


FIG. 5B

5/9

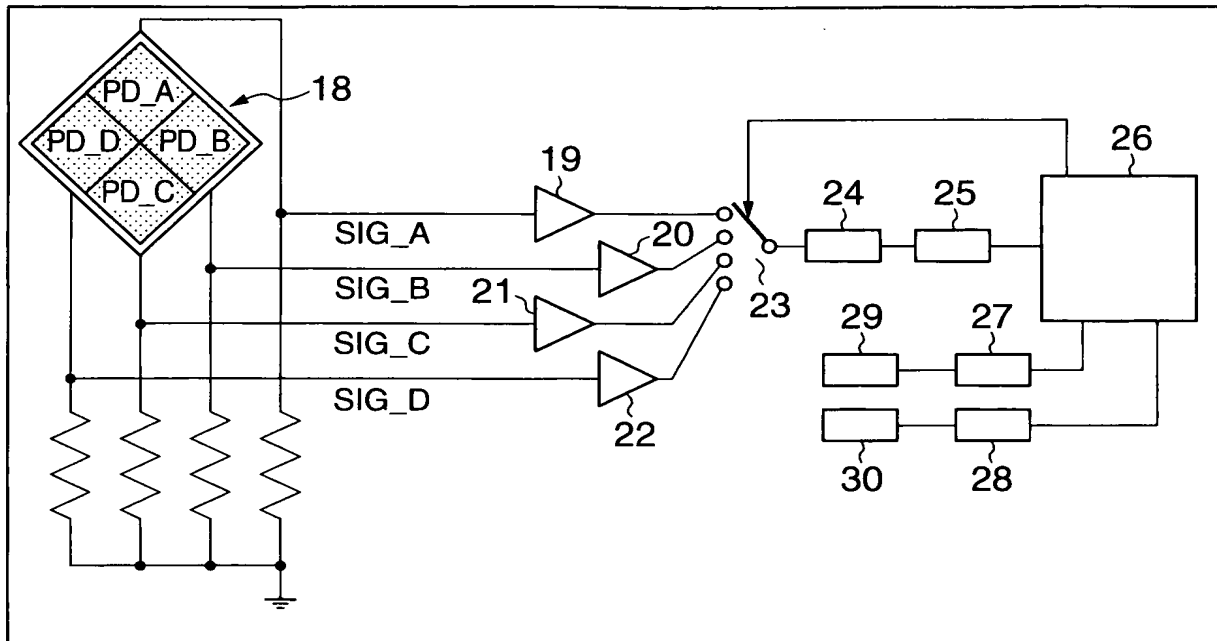


FIG. 6

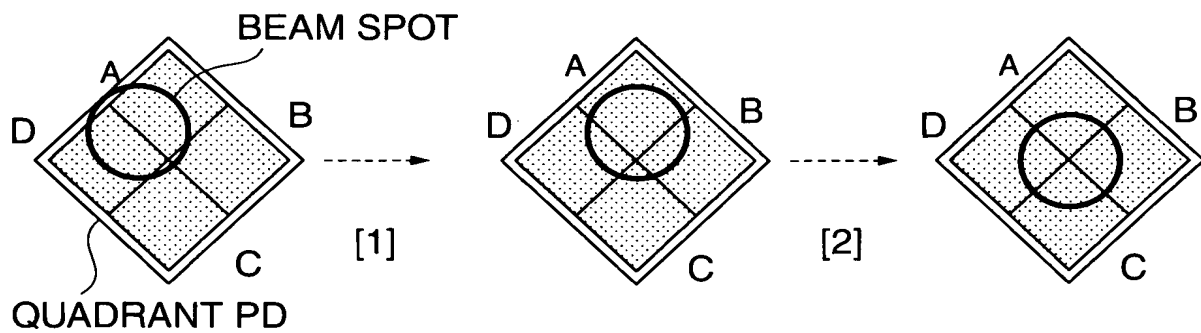


FIG. 7

6/9

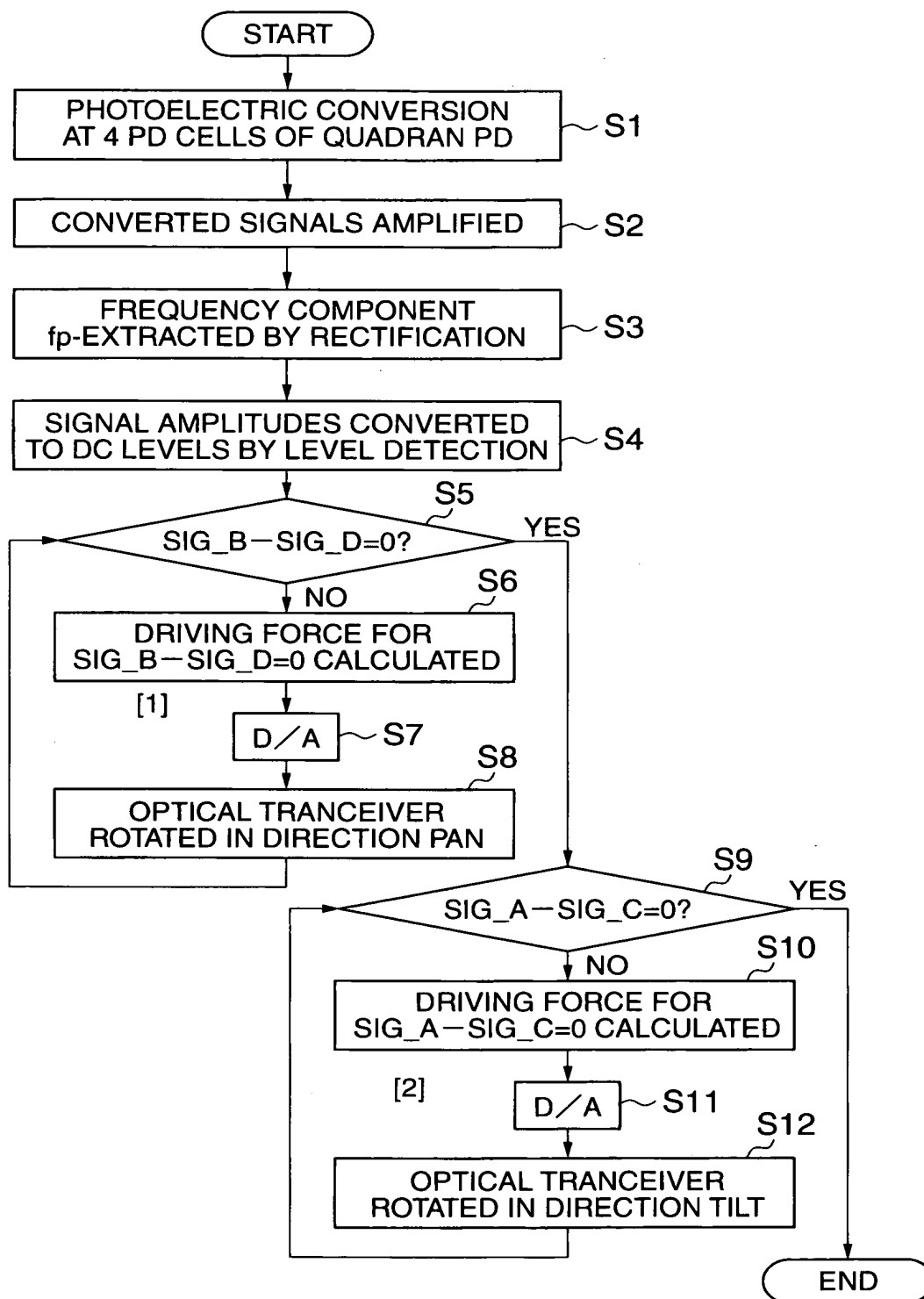


FIG. 8

7/9

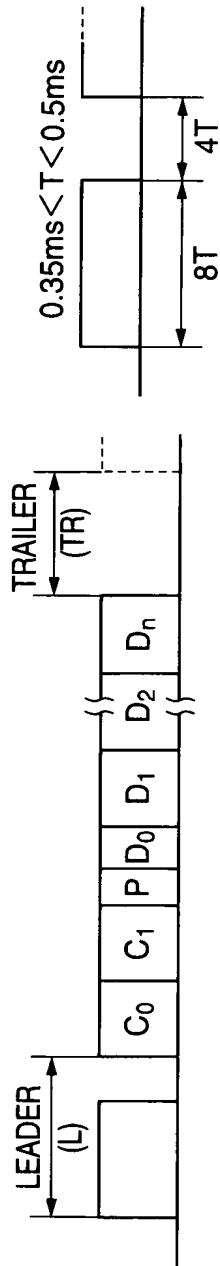


FIG. 9A

FIG. 9B

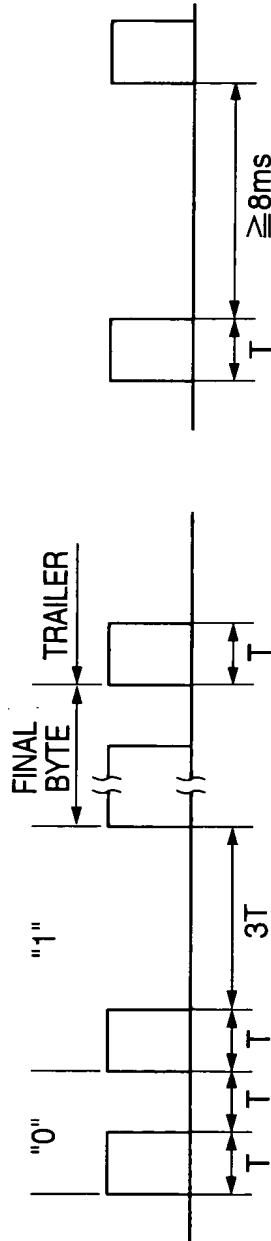
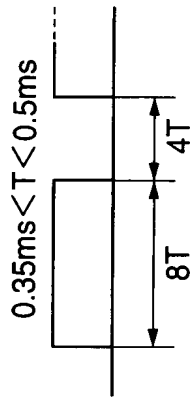


FIG. 9C

FIG. 9D

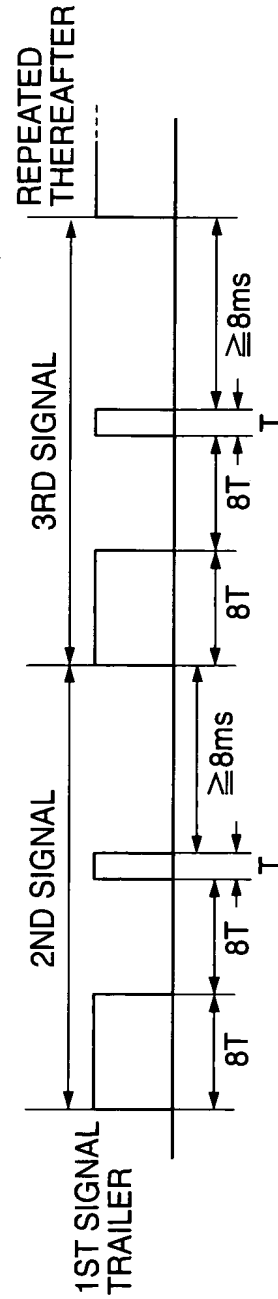
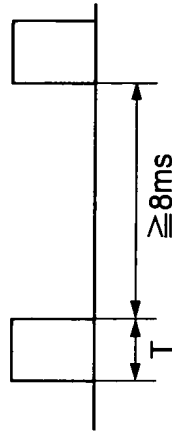


FIG. 9E

8/9

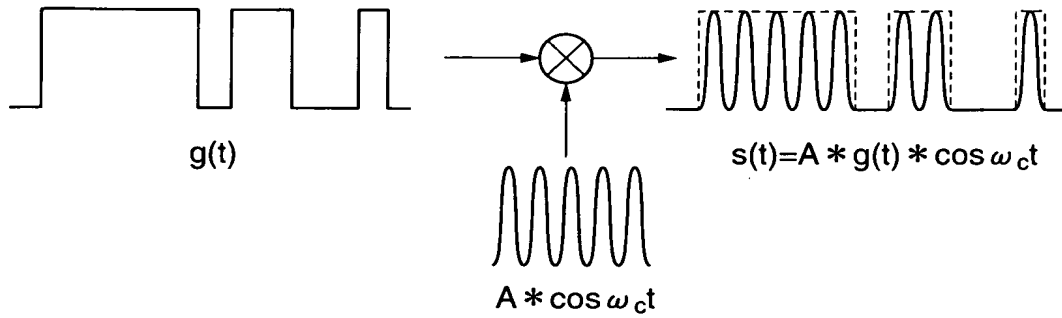


FIG. 10

NOISE: $n(t) = n_c(t) * \cos \omega_c t + n_q(t) * \sin \omega_c t$

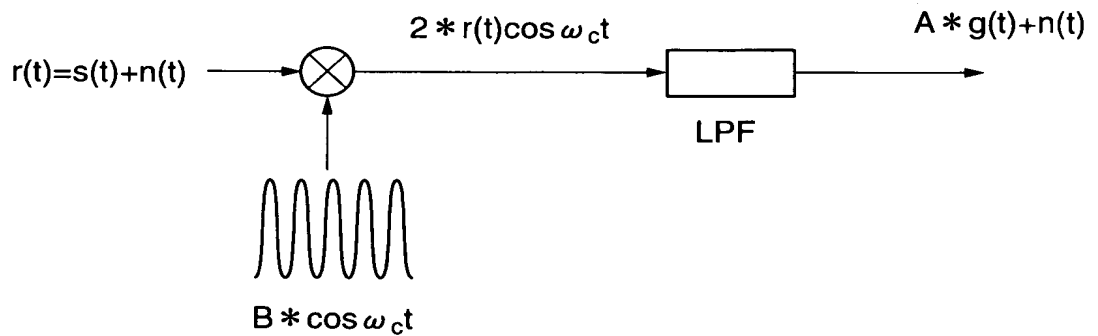


FIG. 11

9/9

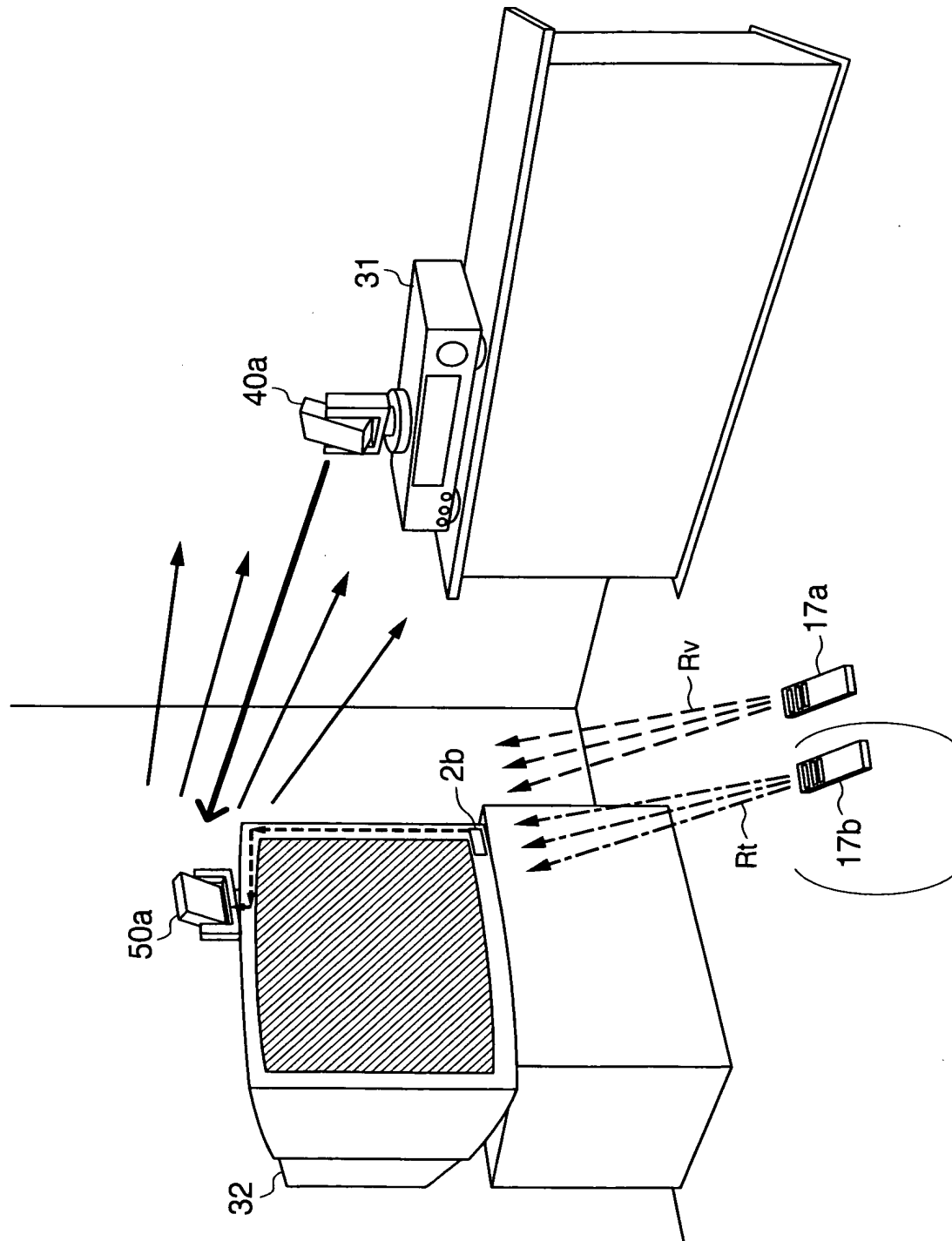


FIG. 12